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*Sig E1* 1. (Amended) A vector, comprising:

a first DNA sequence which is complementary to at least part of an

alphavirus RNA genome and having the complement of complete alphavirus RNA genome replication regions that permits [to permit] in vivo replication; [and]

a second DNA sequence encoding a respiratory syncytial virus (RSV) [paramyxovirus] protein selected from the group consisting of the F and G glycoprotein of RSV or encoding an [a] protein fragment that induces production of [generates] antibodies that specifically react with the RSV [paramyxovirus] protein, the second DNA sequence being inserted into a region of the first DNA sequence which is non-essential for replication, and

a third DNA sequence operatively linked to the first DNA sequence and that enhances the immunoprotective ability of the RSV protein or fragment thereof when expression occurs in vivo, the first, [and] second and third DNA sequences being under transcriptional control of a promoter.

*C2* 12. (Amended) The vector of claim 1 [11] wherein the third nucleotide sequence comprises a pair of splice sites that [to] prevent aberrant mRNA splicing[,] in vivo whereby substantially all transcribed mRNA from the vector region administration encodes the RSV protein].

*C3* 15. (Amended) The vector of claim 1 [10] wherein said promoter sequence is an immediate early cytomegalovirus (CMV) promoter and the human cytomegalovirus Intron A sequence is provided downstream of the promoter and upstream of the third nucleotide sequence.

*Sig E2* 16. (Amended) The vector of claim 15 further comprising a fourth nucleotide sequence at the 3'-end of the first nucleotide sequence that [to to] ensures proper in vivo cleavage at the 3' end of the first nucleotide sequence.

*C4* 18. (Twice Amended) The vector of claim 1 which is [has the identifying characteristics of] plasmid pMP44 shown in Figure 2B.

19. (Amended) The vector of claim 1 which consists of the nucleic acid sequence of [has] SEQ ID No: 1.

*C5* 37. (Twice Amended) The composition of claim 36 wherein said vector is [has the identifying characteristic of] pMP44 in Figure 2B.